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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/573,011	08/16/2006	Klaus Hassdenteufel	016906-0476	2494
22428 7590 06/05/2007 FOLEY AND LARDNER LLP SUITE 500			EXAMINER	
			DUONG, THO V	
3000 K STREET NW WASHINGTON, DC 20007			ART UNIT	PAPER NUMBER
			3744	
			MAIL DATE	DELIVERY MODE
			06/05/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
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	10/573,011	HASSDENTEUFEL ET AL.				
Office Action Summary	Examiner	Art Unit				
	Tho v. Duong	3744				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION B6(a). In no event, however, may a reply be time rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 22 Ma	<u>arch 2006</u> .					
2a) This action is <b>FINAL</b> . 2b) ⊠ This	This action is <b>FINAL</b> . 2b)⊠ This action is non-final.					
3) Since this application is in condition for allowar	) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) 1-20 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 1-20 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or						
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the confidence of Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine 10.	epted or b) objected to by the Edrawing(s) be held in abeyance. See ion is required if the drawing(s) is object.	e 37 CFR 1.85(a). lected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>						
Attachment(s)						
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>Information Disclosure Statement(s) (PTO/SB/08)</li> <li>Paper No(s)/Mail Date 3/22/06.</li> </ol>	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate				

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#### **DETAILED ACTION**

## Specification

The following guidelines illustrate the preferred layout for the specification of a utility application. These guidelines are suggested for the applicant's use.

### Arrangement of the Specification

As provided in 37 CFR 1.77(b), the specification of a utility application should include the following sections in order. Each of the lettered items should appear in upper case, without underlining or bold type, as a section heading. If no text follows the section heading, the phrase "Not Applicable" should follow the section heading:

- (a) TITLE OF THE INVENTION.
- (b) CROSS-REFERENCE TO RELATED APPLICATIONS.
- (c) STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT.
- (d) THE NAMES OF THE PARTIES TO A JOINT RESEARCH AGREEMENT.
- (e) INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A COMPACT DISC.
- (f) BACKGROUND OF THE INVENTION.
  - (1) Field of the Invention.
  - (2) Description of Related Art including information disclosed under 37 CFR 1.97 and 1.98.
- (g) BRIEF SUMMARY OF THE INVENTION.
- (h) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).
- (i) DETAILED DESCRIPTION OF THE INVENTION.
- (j) CLAIM OR CLAIMS (commencing on a separate sheet).
- (k) ABSTRACT OF THE DISCLOSURE (commencing on a separate sheet).
- (l) SEQUENCE LISTING (See MPEP § 2424 and 37 CFR 1.821-1.825. A "Sequence Listing" is required on paper if the application discloses a nucleotide or amino acid sequence as defined in 37 CFR 1.821(a) and if the required "Sequence Listing" is not submitted as an electronic document on compact disc).

# Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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Claims 1-8 and 10-17 are rejected under 35 U.S.C. 102(b) as being anticipated by Laveran Jean Louis (FR 2833691). Laveran discloses (figures 1-3) a heat exchanger module consisting of at least one aluminum heat exchanger (1) and laterally arranged plastic supports (9) wherein the heat exchanger comprises two receptacles (2,3) with two longitudinal faces (6a), one side face and two end faces, and in that the module supports (9) are designed as slip-on boxes in the shape of the receptacle, positively surround the longitudinal, side and end faces thereof and secured to the end faces by locking hooks; the modules supports comprises fastening pins (11a) on their lower end faces; fastening openings (20); fastening means (14b) for receiving additional parts; the side faces of the receptacles project beyond the end faces and form stop faces for the locking hooks; necks (4a) on the receptacles; and the module support comprises cutouts which surround the necks. Regarding claim 7, the method for forming the device "wherein during the mounting..., are deflect and then engage for fixing" is not germane to the issue of the patentability of the device itself. "Even though product-by-process claims are limited by and defined by the process, determination of patentability is based on the product itself. The patentability of a product does not depend on its method of production. If the product in the product-by-process claim is the same as or obvious from a product of the prior art, the claim is unpatentable even though the prior product was made by a different process.". In this instant case, the heat exchanger in the product by process claim is the same as or obvious from the heat exchanger of the prior art, the claim is unpatentable even though the prior product was made by a different process.

### Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 9 and 18-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Louis in view of Ozaki et al. (US 2002/0017381A1) Louis substantially discloses all of applicant's claimed invention as discussed above except for the limitation that heat exchange module has two heat exchangers are designed as an integrated heat exchanger block for use in a vehicle. Ozaki discloses (figure 1 and paragraphs 2, 32 and 37) a vehicle that has a heat exchange module comprises of two heat exchangers such as a condenser and a radiator being designed as an integrated heat exchange block for a purpose of forming a compact heat exchange module for a refrigeration cycle system and for cooling the cooling water. It would have been obvious to one having ordinary skill in the art at the time the invention was made to use Ozaki's teaching in Louis's heat exchange module for a purpose of forming a compact heat exchange module for a refrigeration cycle system and for cooling the cooling water.

### Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Brost et al. (US 6,059,019) discloses a heat exchanger assembly with modular support brackets.

Yamanaka et al. (US 6,000,460) discloses a heat exchanger for vehicle.

Suzuki Yuji (JP 406159976A) discloses a heat exchanger.

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Southwick et al. (US 6,691,767) discloses plastic attachment bracket for metal heat exchanger tank.

Tokutake (US 5,183,103) discloses a heat exchanger with bracket.

Gille et al. (US 6,533,027) discloses a device for assembling at least one item of equipment onto a heat exchanger.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tho v. Duong whose telephone number is 571-272-4793. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tyler J. Cheryl can be reached on 571-272-4834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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TD May 24, 2007 Tho v Duong
Primary Examiner
Art Unit 3744

Mormono